

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (currently amended) A method for identifying a therapeutic compound for the treatment of Alzheimer's disease comprising:
 - a) providing at least one mammalian cell expressing said a Src protein;
 - b) introducing amyloid precursor protein (APP) to said mammalian cell;
 - b)c) introducing a candidate compound to said mammalian cell;
 - e) d) measuring the phosphorylation activity of said Src protein in response to said candidate compound; ~~and~~
 - e) comparing said activity in said mammalian cell with a mammalian cell expressing Src protein and APP without said candidate compound; and
 - d)f) identifying said candidate compound which decreases said Src phosphorylation activity as the therapeutic compound for the treatment of Alzheimer's disease
- 2 – 5 (cancelled)
6. (currently amended) The method ~~According~~ according to Claim 1, wherein said Src protein is selected from the group consisting of: human Src and mouse Src.
7. (currently amended) The method ~~of According~~ according to Claim 1, wherein said Src protein comprises an amino acid sequence selected from the group consisting of: SEQ ID NO:1, SEQ ID NO:2, and SEQ ID NO:3.
8. (canceled)
- 9 (currently amended) The method ~~of According~~ according to Claim 1, wherein said mammalian cell is a primary cell culture of neurons.

10 - 14 (Canceled)

15 (New) The method of claim 1 wherein said phosphorylation activity is the measurement of the tyrosine phosphorylation of APP.